

Bushfire - Sprinkler System

Last Issue Date: 09/10/2017		Type Of Service				
Activity		A	B	C	D	E
1	ANNUAL SYSTEM TEST (Undertake prior to the Bushfire season): OPERATIONAL TEST: a) Fit pressure gauge at test connection. b) Start the pumpset via the start button or switch and test run the system to ensure that all spray nozzles are unobstructed, are discharging correctly and the spray patterns adequately cover all protected surfaces. c) Note and record end nozzle pressure kPa. RESTORATION TO OPERATIONAL CONDITION: After completion of testing check: a) water and fuel tank levels; b) spray nozzles and blow-off caps or plugs for any corrosion and deterioration; c) refit all nozzle blow-off caps or plugs and check they are in place; d) return all equipment to the operational condition; and e) replace damaged components with the type and material recommended by the manufacturer. EXPOSURE CONDITION: Check for any changes to exposure condition which would have an adverse impact on the system performance, e.g. vegetation which has grown to obstruct the spray pattern, wood pile sitting up against the house, accumulation of roof and gutter litter, building renovation.				Y	
2	VALVES: Reset and secure valves in the open position or the closed position as appropriate.				Y	
3	SPRAY NOZZLES: Check that blow-off caps or plugs are in place.		Y	Y	Y	
4	WATER STORAGE TANKS: a) Check the tank is full; b) Check for the correct operation and reading of the water level indicator; and c) Verify the correct operation of the float valve by exercising the valve (where fitted).		Y	Y	Y	
5	ENGINE DRIVEN PUMPSETS: Service and check as per the manufacturer's recommendations, including: a) check the engine start battery and enclosures for corrosion, physical damage and secure mounting; b) check the oil, water and fuel tank is full; c) check the battery charge and charging equipment; d) check that the pump starts at the nominated pressure; e) run the engine for a minimum of 15 minutes and check for excessive vibration or noise; and f) check the control valve/pump area is not being used for storage.		Y	Y	Y	
6	ELECTRIC MOTOR DRIVEN PUMPSETS: Service and check as per the manufacturer's recommendations, including: a) run the pump for a minimum of 5 minutes and check for excessive vibration or noise;		Y	Y	Y	

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For more information please contact the applicable Facilities Management Service Provider.



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Department of Planning,
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	b) the pump starts at the nominated pressure; and c) check the control valve/pump area is not being used for storage.					
7	OPERATING INSTRUCTIONS AND SIGNAGE: a) check that fire sprinkler operating instructions are legible and all required information is included; and b) ensure the valves are clearly labelled.		Y	Y	Y	
8	TANK INLET SCREEN (IF FITTED): Clean the tank inlet screen (if fitted) and replace if necessary.			Y	Y	
9	PIPING IN-LINE STRAINER: Clean and replace the strainer.			Y	Y	
10	HYDRO-PNEUMATIC ACCUMULATOR (WHERE FITTED): Check the accumulator air pressure and recordkPa.			Y	Y	
11	Record all results in log book.		Y	Y	Y	

Special Comments and Technical Data

D SERVICE TO BE PERFORMED PRIOR TO THE START OF THE BUSHFIRE SEASON - FOR SOUTH AUSTRALIA EARLY SEPTEMBER IS RECOMMENDED ALLOWING TIME FOR THE SUPPLY OF PARTS AND REPLACEMENT OR REPAIR WORKS IF NEEDED.

C SERVICE 6 MONTHLY (COMMENCE WITH D SERVICE)

B SERVICE MONTHLY FROM SEPTEMBER (WITH D SERVICE) TO THE FOLLOWING MAY INCLUSIVE (9 SERVICES).

ACTIVITIES AND FREQUENCIES MAY NEED TO BE VARIED DEPENDING ON: USER REQUIREMENTS, SITE CONDITIONS AND LOCATION, AND THE SPECIFIC MANUFACTURER AND SYSTEM DESIGN REQUIREMENTS.

FOR INFORMATION REFER TO AS5414 - BUSHFIRE WATER SPRAY SYSTEMS WHICH INCLUDES DETAIL ON WATER SUPPLY AND PUMPSETS.

THIS NOTES THAT THE PREFERENCE IS FOR DIESEL (AND TO A LESSOR EXTENT PETROL) ENGINE-DRIVEN PUMPSETS OVER ELECTRICAL WHICH HAVE POWER SUPPLY RISKS IN BUSHFIRES.

FOR INFORMATION ON SPRINKLER SYSTEMS, STOP VALVES AND NON-RETURN VALVES REFER TO THE AS4118 SUITE.

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